



ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | |
|----|-----------------------------------|---|--|--|---------------------|---------------------|
| 1. | SHELL No: | 5009 | DISPATCH DATE: | | | 19.05.2015 |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15110 |
| 3. | Booked to | SSE/C&W/PURI | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | |
| | 6.1 | Leading Dimensions; | | | | |
| | i) | Maximum height above rail to top of Roof ventilator | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| | ii) | Maximum length over Body | 21337 ± 10 | | | |
| | iii) | Maximum length over Buffer | 22297 ± 15 | | | |
| | iv) | Maximum width over Body | 3245 ± 5 | | | |
| | v) | Maximum width over Flasher light | 3402 +0/-5 | | | |
| | vi) | Minimum height above rail level to the lowest fitting | 181.5 mm (AE63143) | | | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1104/1104 | 1104/1104 | |
| | viii) | Buffer/CBC (Make) | JLS | | | |
| | ix) | Draw Gear (Make) | EMSON | | | |
| 7. | Air Brake Testing: | | | | | |
| | Description | | | Specified | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm2 | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | |
| 8. | PAINTING DEATAILS: | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | |
| | 8.1 | PAINT | PU PAINT | GS | 85/85 | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | |
| 9. | Traceability of Furnishing Items: | | | Make | | |
| | i. | BRAKE EQUIPMENT | | ESCORTS | | |
| | ii. | SEAT & BERTH | | OVPL | | |
| | iii. | WATER TANKS | | SHIVALIK | | |
| | iv. | PVC | | RESPONSIVE | | |
| | v. | FLOOR BOARD | | TAYAL | | |
| | vi. | UIC VESTIBULE | | ELASTOMER | | |
| | vii. | LAV. DOORS | | SAVITRI | | |
| | viii. | LP SHEET | | NA | | |
| | ix) | BIO- TOILET | | ORIENTAL | | |
| 10 | 10.1 | Modification/ Trial (if any): | | | NIL | |
| . | 10.2 | Deviations (if any): | | | NIL | |



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Rail Coach Factory , Kapurthala

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| | | | | | | | | | | | |
|------|---|--|---|----------------|---------------|---------------|---------------------|------------------|---------------|----------------------|--|
| 12. | Bogie Details: | Shell No. | | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | 5009 | | ECOR | | WGACCN | | 15110 | | 02-05-2015 | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 153215 | | | | 153239 | | | | |
| | ii. | Frame No. | UBLS-4587 | | | | UBLS-4655 | | | | |
| | iii. | Axle No. | A-5221 | | U-4770 | | 8172 | | 10618/610 | | |
| | iv. | Wheel Diameter | 916.50 | 916.00 | 916.00 | 916.00 | 917.00 | 917.00 | 917.00 | 917.00 | |
| | v. | Wheel Disc No. | 10679/ 233 | 02510/ 256 | 08077/ 246 | 10335/ 383 | 10285/ 227 | 10389/ 287 | 10345/ 246 | 10304/22 5 | |
| | vi. | R.B. Nos. | C3017 | C2989 | L2982 | L2784 | M0725 | M0708 | C3397 | C3347 | |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 12.3 | Items Traceability: | | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | | PEW,AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

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Form No. :

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Version: 05

| | | | | | | |
|----|-----------------------------------|---|--|--|-----------------------------|-------------------|
| 1. | SHELL No: | 5012 | DISPATCH DATE: | | | 19.05.2015 |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15113 |
| 3. | Booked to | | SSE/C&W/LILUAH | | | |
| 4. | Tare Weight of Coach : | | 52.53 T | | | |
| 5. | Carrying Capacity : | | Seating: | 64 | Sleeping: | 64 |
| | | | Luggage: | NIL | | |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | |
| | 6.1 | Leading Dimensions; | | | | |
| | i) | Maximum height above rail to top of Roof ventilator | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| | ii) | Maximum length over Body | 21337 ± 10 | | | |
| | iii) | Maximum length over Buffer | 22297 ± 15 | | | |
| | iv) | Maximum width over Body | 3245 ± 5 | | | |
| | v) | Maximum width over Flasher light | 3402 +0/-5 | | | |
| | vi) | Minimum height above rail level to the lowest fitting | 181.5 mm (AE63143) | | | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1100/1104 | 1104/1098 | |
| | viii) | Buffer/CBC (Make) | JLS | | | |
| | ix) | Draw Gear (Make) | EMSON | | | |
| 7. | Air Brake Testing: | | | | | |
| | Description | | | Specified | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm2 | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | |
| 8. | PAINTING DEATAILS: | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | |
| | 8.1 | PAINT | PU PAINT | GS | 85/85 | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | |
| 9. | Traceability of Furnishing Items: | | | | | |
| | i. | BRAKE EQUIPMENT | | | Make ESCORTS | |
| | ii. | SEAT & BERTH | | | OVPL | |
| | iii. | WATER TANKS | | | SHIVALIK | |
| | iv. | PVC | | | RESPONSIVE | |
| | v. | FLOOR BOARD | | | TAYAL | |
| | vi. | UIC VESTIBULE | | | ELASTOMER | |
| | vii. | LAV. DOORS | | | SAVITRI | |
| | viii. | LP SHEET | | | NA | |
| | ix) | BIO- TOILET | | | M K PRECISION, OASIS | |
| 10 | 10.1 | Modification/ Trial (if any): | | | NIL | |
| . | 10.2 | Deviations (if any): | | | NIL | |



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|------|--|---------------------------------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5012 | ECOR | WGACCN | 15113 | 07-05-2015 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 153237 | | | | 153243 | | | |
| | ii. | Frame No. | UBLS-4604 | | | | UBLS-4664 | | | |
| | iii. | Axle No. | A-3828 | | V-9471 | | A-3936 | | S-5153 | |
| | iv. | Wheel Diameter | 916.50 | 916.50 | 917.00 | 917.00 | 916.50 | 916.50 | 916.00 | 916.00 |
| | v. | Wheel Disc No. | 05716/ 248 | 10609/ 240 | 10545/ 218 | 08188/ 254 | 08958/ 224 | 10609/ 240 | 06283/ 212 | 06303/28 6 |
| | vi. | R.B. Nos. | C-3010 | C-3388 | C-3273 | C-3278 | C-3350 | C-2977 | A-1244 | A-1027 |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

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Version: 05

| | | | | | | |
|----|-----------------------------------|---|--|--|------------------------|---------------------|
| 1. | SHELL No: | 5010 | DISPATCH DATE: | | | 20.05.2015 |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15111 |
| 3. | Booked to | SSE/C&W/BBS | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | |
| | 6.1 | Leading Dimensions; | | | | |
| | i) | Maximum height above rail to top of Roof ventilator | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| | ii) | Maximum length over Body | 21337 ± 10 | | | |
| | iii) | Maximum length over Buffer | 22297 ± 15 | | | |
| | iv) | Maximum width over Body | 3245 ± 5 | | | |
| | v) | Maximum width over Flasher light | 3402 +0/-5 | | | |
| | vi) | Minimum height above rail level to the lowest fitting | 181.5 mm (AE63143) | | | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1104/1104 | 1104/1104 | |
| | viii) | Buffer/CBC (Make) | HEPL | | | |
| | ix) | Draw Gear (Make) | EMSON | | | |
| 7. | Air Brake Testing: | | | | | |
| | Description | | | Specified | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm ² of BC | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | | Brake release time to reach .4 Kg/cm ² | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm ² n 60 sec | No brake application | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm ² in 6 sec | Brakes "ON" | | |
| | 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | |
| | 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | |
| 8. | PAINTING DEATAILS: | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | |
| | 8.1 | PAINT | PU PAINT | GS | 85/85 | |
| | 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | |
| | 8.3 | INSUALTION | | SATISFACTORY | | |
| 9. | Traceability of Furnishing Items: | | | | | |
| | i. | BRAKE EQUIPMENT | | | Make ESCORTS | |
| | ii. | SEAT & BERTH | | | OVPL | |
| | iii. | WATER TANKS | | | SHIVALIK | |
| | iv. | PVC | | | RESPONSIVE | |
| | v. | FLOOR BOARD | | | TAYAL | |
| | vi. | UIC VESTIBULE | | | ELASTOMER | |
| | vii. | LAV. DOORS | | | SAVITRI | |
| | viii. | LP SHEET | | | NA | |
| | ix) | BIO- TOILET | | | ORIENTAL, OASIS | |
| 10 | 10.1 | Modification/ Trial (if any): | | | NIL | |
| . | 10.2 | Deviations (if any): | | | NIL | |



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| | | | | | | | | | | | |
|------|---|--|---|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|----------------------|--|
| 12. | Bogie Details: | Shell No. | | Railway | | Type | | Coach No. | | Dispatch Date | |
| | | 5010 | | ECOR | | WGACCN | | 15111 | | 06-05-2015 | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | | NPP Side | | | | |
| | i. | Bogie No. | 153235 | | | | | 153244 | | | |
| | ii. | Frame No. | UBLS-4611 | | | | | UBLS-4657 | | | |
| | iii. | Axle No. | 9181 | | N7261 | | V-9541 | | A-4288 | | |
| | iv. | Wheel Diameter | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | 915.00 | |
| | v. | Wheel Disc No. | 06617/ 13094 | 09025/ 15204 | 08990/ 13204 | 08959/ 13204 | 12041/ 15571 | 12012/ 15571 | 11841/ 15529 | 06685/13 094 | |
| | vi. | R.B. Nos. | A0960 | A0869 | A0898 | A0880 | L3004 | L2979 | M3198 | M3023 | |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | | |
| 12.3 | Items Traceability: | | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | | AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | | NIL | | | | |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | | |
|----|-----------------------------------|---|--|--|---------------------|------------------------|------------|
| 1. | SHELL No: | 5008 | DISPATCH DATE: | | | 25.05.2015 | |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15109 | |
| 3. | Booked to | SSE/C&W/PURI | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| | 6.1 | Leading Dimensions; | | | | | |
| | i) | Maximum height above rail to top of Roof ventilator | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | | |
| | ii) | Maximum length over Body | 21337 ± 10 | | | | |
| | iii) | Maximum length over Buffer | 22297 ± 15 | | | | |
| | iv) | Maximum width over Body | 3245 ± 5 | | | | |
| | v) | Maximum width over Flasher light | 3402 +0/-5 | | | | |
| | vi) | Minimum height above rail level to the lowest fitting | 181.5 mm (AE63143) | | | | |
| | vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1104/1103 | 1104/1102` | | |
| | viii) | Buffer/CBC (Make) | HEPL | | | | |
| | ix) | Draw Gear (Make) | EMSON | | | | |
| 7. | Air Brake Testing: | | | | | | |
| | | Description | Specified | | | | |
| | 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | | Brake release time to reach .4 Kg/cm2 | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| | 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | No brake application | | | |
| | 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | Brakes "ON" | | | |
| | 7.4 | Passenger alarm by pulling chain | BP Blasts out, Brakes "ON" | | | | |
| | 7.5 | Piston stroke for BMBC type coach only | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | | TYPE OF PAINT | MAKE | AVERAGE GLOSS VALUE | | |
| | 8.1 | PAINT | PU PAINT | GS | 85/85 | | |
| | 8.2 | APPLICATION OF PCN-123 | SATISFACTORY | | | | |
| | 8.3 | INSUALTION | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | | | | |
| | i. | BRAKE EQUIPMENT | Make | | | ESCORTS | |
| | ii. | SEAT & BERTH | Make | | | OVPL | |
| | iii. | WATER TANKS | Make | | | SHIVALIK | |
| | iv. | PVC | Make | | | RESPONSIVE | |
| | v. | FLOOR BOARD | Make | | | TAYAL | |
| | vi. | UIC VESTIBULE | Make | | | KRP | |
| | vii. | LAV. DOORS | Make | | | SAVITRI | |
| | viii. | LP SHEET | Make | | | PUNJAB LAMINATE | |
| | ix) | BIO- TOILET | Make | | | ORIENTAL, OMAX | |
| 10 | 10.1 | Modification/ Trial (if any): | Make | | | NIL | |
| . | 10.2 | Deviations (if any): | Make | | | NIL | |



| | | | | | | | | | | |
|------|---|--|---|-----------------|------------------|------------------------|-----------------|-----------------|-----------------|-----------------|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5008 | ECOR | WGACCN | 15109 | 04-05-2015 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 153247 | | | | 153248 | | | |
| | ii. | Frame No. | UBLS-4676 | | | | UBLS-4670 | | | |
| | iii. | Axle No. | A-3703 | | T-3263 | | 4128 | | 4240 | |
| | iv. | Wheel Diameter | 910.00 | 910.00 | 911.00 | 911.00 | 909.00 | 909.00 | 909.00 | 909.00 |
| | v. | Wheel Disc No. | 60798/ 08510 | 60840/ 08510 | 11895/ 15529 | 11948/ 15571 | 06439/ 13600 | 09959/ 13966 | 06650/ 13094 | 45772/06 064 |
| | vi. | R.B. Nos. | M3115 | M3083 | M3014 | M3015 | A-1485 | A-0704 | A-1354 | A-1315 |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | LESS WHEEL DIA. | | | | |

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Form No. :

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Version: 05

| | | | | | | | |
|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5006 | DISPATCH DATE: | | | 22.05.2015 | |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15108 | |
| 3. | Booked to | SSE/C&W/PURI | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1104/1104 | | 1100/1100 | | |
| viii) | Buffer/CBC (Make) | | | HEPL | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | GS | 85/86 | | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | OVPL | | | |
| iii. | WATER TANKS | | | SHIVALIK | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | TAYAL | | | |
| vi. | UIC VESTIBULE | | | KRP | | | |
| vii. | LAV. DOORS | | | SAVITRI | | | |
| viii. | LP SHEET | | | PUNJAB LAMINATE | | | |
| ix) | BIO- TOILET | | | ORIENTAL, OMAX | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



| | | | | | | | | | | |
|------|--|---------------------------------|---|---------------|---------------|-----------------|---------------|---------------|---------------|---------------|
| 12. | Bogie Details: | Shell No. | Railway | | Type | Coach No. | Dispatch Date | | | |
| | | 5006 | ECOR | | WGACCN | 15108 | 02-05-2015 | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 153238 | | | | 153241 | | | |
| | ii. | Frame No. | UBLS-4662 | | | | UBLS-4652 | | | |
| | iii. | Axle No. | T-5084 | | T-4712 | | RWF-105476 | | A5084 | |
| | iv. | Wheel Diameter | 912.00 | 912.00 | 912.00 | 912.00 | 916.50 | 916.50 | 916.50 | 916.50 |
| | v. | Wheel Disc No. | 06310/ 235 | 06383/ 267 | 03732/ 241 | 05858/ 273 | 10135/ 246 | 10188/ 219 | 10524/ 236 | 10182/20 3 |
| | vi. | R.B. Nos. | L2989 | L2981 | A1020 | A1252 | C2997 | C3005 | C2998 | C3015 |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | PEW,AJT | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | LESS WHEEL DIA. | | | | |

WGACCN-5006



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Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | |
|-------|---|---------------------------------------|----------------------------|--|---------------------|-------------------|
| 1. | SHELL No: | 5007 | DISPATCH DATE: | | | 14.05.2015 |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15107 |
| 3. | Booked to | SSE/C&W/PURI | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | |
| 5. | Carrying Capacity : | Seating: 64 | Sleeping: 64 | Luggage: NIL | | |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | |
| 6.1 | Leading Dimensions: | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | 1104/1104 | 1104/1102 | | |
| viii) | Buffer/CBC (Make) | | | HEPL | | |
| ix) | Draw Gear (Make) | | | EMSON | | |
| 7. | Air Brake Testing: | | | | | |
| | Description | | | Specified | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | |
| 8. | PAINTING DEATAILS: | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | |
| 8.1 | PAINT | PU PAINT | | GS | 85/86 | |
| 8.2 | APPLICATION OF PCN-123 | | SATISFACTORY | | | |
| 8.3 | INSUALTION | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | |
| ii. | SEAT & BERTH | | | OVPL | | |
| iii. | WATER TANKS | | | SHIVALIK | | |
| iv. | PVC | | | RESPONSIVE | | |
| v. | FLOOR BOARD | | | TAYAL | | |
| vi. | UIC VESTIBULE | | | KRP | | |
| vii. | LAV. DOORS | | | SAVITRI | | |
| viii. | LP SHEET | | | NA | | |
| ix) | BIO- TOILET | | | M K PRECISION | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | |
| | 10.2 | Deviations (if any): | | NIL | | |



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| | | | | | | | | | |
|------|--|---|-----------|-----------|-----------|-----------------|-------------|-------------|-------------|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | |
| | | 5007 | ECOR | WGACCN | 15107 | 01-05-2015 | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | |
| | i. Bogie No. | 153228 | | | | 153149 | | | |
| | ii. Frame No. | UBLS-2577 | | | | UBLS-4590 | | | |
| | iii. Axle No. | A-4452 | | A-4420 | | U-4308 | | A-4492 | |
| | iv. Wheel Diameter | 917.00 | 917.00 | 916.50 | 916.00 | 915.00 | 915.00 | 915.00 | 915.00 |
| | v. Wheel Disc No. | 10549/240 | 10514/386 | 10329/225 | 12156/242 | 08967/13201 | 73152/12271 | 05126/13830 | 08937/13204 |
| | vi. R.B. Nos. | L3279 | C2924 | C3065 | C3066 | A0372 | A1083 | A1142 | A3149 |
| | vii. R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii. R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | PEW | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | |
| | ii. | Deviations (if any): | | | | LESS WHEEL DIA. | | | |

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ROLLING STOCK CERTIFICATE

Form No. :

QMF4254;
Version: 05

| | | | | | | | |
|-------|---|---------------------------------------|----------------------------|--|---------------------|------------|-----|
| 1. | SHELL No: | 5011 | DISPATCH DATE: | | | 15.05.2015 | |
| 2. | RAILWAY | ECOR | Type: | WGACCN | Coach No.: | 15112 | |
| 3. | Booked to | SSE/C&W/BBS | | | | | |
| 4. | Tare Weight of Coach : | 52.53 T | | | | | |
| 5. | Carrying Capacity : | Seating: | 64 | Sleeping: | 64 | Luggage: | NIL |
| 6. | Shell Details: (SG-90004 alt 'b') | | | | | | |
| 6.1 | Leading Dimensions: | | | | | | |
| i) | Maximum height above rail to top of Roof ventilator | | | 4100 ± 5 (for NAC) 4250 +0/-5 (for WGACCN only) | | | |
| ii) | Maximum length over Body | | | 21337 ± 10 | | | |
| iii) | Maximum length over Buffer | | | 22297 ± 15 | | | |
| iv) | Maximum width over Body | | | 3245 ± 5 | | | |
| v) | Maximum width over Flasher light | | | 3402 +0/-5 | | | |
| vi) | Minimum height above rail level to the lowest fitting | | | 181.5 mm (AE63143) | | | |
| vii) | Buffer/CBC Height | Specified : 1104 +0 /-10 mm | | 1102/1104 | 1104/1104 | | |
| viii) | Buffer/CBC (Make) | | | JLS | | | |
| ix) | Draw Gear (Make) | | | EMSON | | | |
| 7. | Air Brake Testing: | | | | | | |
| | Description | | | Specified | | | |
| 7.1 | Emergency Application | Time for 0 to 3.6 Kg/cm2 of BC | | Less than 05 Sec (for BMBC type) 3 to 5 Sec (for Non BMBC type) | | | |
| | | Brake release time to reach .4 Kg/cm2 | | Less than 20 Sec (for BMBC type) 15 to 20 Sec (for Non BMBC type) | | | |
| 7.2 | Insensitivity | BP dipped @ 0.30 Kg/cm2 n 60 sec | | No brake application | | | |
| 7.3 | Sensitivity | BP dipped @ 0.60 Kg/cm2 in 6 sec | | Brakes "ON" | | | |
| 7.4 | Passenger alarm by pulling chain | | BP Blasts out, Brakes "ON" | | | | |
| 7.5 | Piston stroke for BMBC type coach only | | 19 +10/-0 mm (NAC) | | | | |
| 8. | PAINTING DEATAILS: | | | | | | |
| | | TYPE OF PAINT | | MAKE | AVERAGE GLOSS VALUE | | |
| 8.1 | PAINT | PU PAINT | | GS | 85/85 | | |
| 8.2 | APPLICATION OF PCN-123 | | | SATISFACTORY | | | |
| 8.3 | INSUALTION | | | SATISFACTORY | | | |
| 9. | Traceability of Furnishing Items: | | | Make | | | |
| i. | BRAKE EQUIPMENT | | | ESCORTS | | | |
| ii. | SEAT & BERTH | | | OVPL | | | |
| iii. | WATER TANKS | | | SHIVALIK | | | |
| iv. | PVC | | | RESPONSIVE | | | |
| v. | FLOOR BOARD | | | TAYAL | | | |
| vi. | UIC VESTIBULE | | | ELASTOMER | | | |
| vii. | LAV. DOORS | | | SAVITRI | | | |
| viii. | LP SHEET | | | NA | | | |
| ix) | BIO- TOILET | | | DE, OASIS | | | |
| 10. | 10.1 | Modification/ Trial (if any): | | NIL | | | |
| | 10.2 | Deviations (if any): | | NIL | | | |



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| | | | | | | | | | | |
|------|--|---------------------------------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 12. | Bogie Details: | Shell No. | Railway | Type | Coach No. | Dispatch Date | | | | |
| | | 5011 | ECOR | WGACCN | 15112 | 01-05-2015 | | | | |
| 12.1 | BOGIE GENERAL ARRANGEMENT DRAWING NO.: CC00002 Alt 'a' | | | | | | | | | |
| 12.2 | Wheel & Axle Details: | PP Side | | | | NPP Side | | | | |
| | i. | Bogie No. | 153216 | | | | 153218 | | | |
| | ii. | Frame No. | UBLS-4623 | | | | UBLS-4605 | | | |
| | iii. | Axle No. | P-5931 | | A-3790 | | RWF-90968 | | P-6094 | |
| | iv. | Wheel Diameter | 917.00 | 917.00 | 917.00 | 917.00 | 916.00 | 916.00 | 917.00 | 917.00 |
| | v. | Wheel Disc No. | 07247/ 290 | 10574/ 227 | 10183/ 386 | 10566/ 233 | 10413/ 250 | 10125/ 204 | 10497/ 240 | 12126/38 8 |
| | vi. | R.B. Nos. | C3346 | C3298 | C3376 | C3390 | C2958 | C3006 | C2966 | C2949 |
| | vii. | R.B. Make | NBC | | NBC | | NBC | | NBC | |
| | viii. | R.B. Type | Direct Mounted Spherical Roller Bearing | | | | | | | |
| 12.3 | <u>Items Traceability:</u> | | | | | | | | | |
| | i. | BRAKE CYLINDER (Make) | | | | PEW | | | | |
| | ii. | SECONDARY Shock Absorber (Make) | | | | KNORR BREMSE | | | | |
| 12.4 | i. | Modification/ Trail (if any): | | | | NIL | | | | |
| | ii. | Deviations (if any): | | | | NIL | | | | |

WGACCN-5011